



Product: [9503](#) 

RS-232, #24-3pr, SR-PVC, O/A Foil, PVC Jkt, CMG, 75Ω

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, 3 twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	RS-232 Applications; Computer Communications; Low Voltage Analog Signals (4-20ma, 0-10v, ...); Low Voltage Digital Control (24v, ...); Line Level Audio; Panel Wiring
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	24	7x32	TC - Tinned Copper	3

Conductor Count:	6
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Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	S-R PVC - Semi-Rigid Polyvinyl Chloride	0.0105 in

Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.232 in	0.032 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	17 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	50 pF/ft

Impedance

Nominal Characteristic Impedance
75Ω

75 Ohm

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
60 ns/100m	60 %

Current

Max. Recommended Current [A]
1.76 Amps per conductor @ 25°C A

Voltage

UL Description	UL Voltage Rating
CMG	300 V
UL AWM 2464	300 V

Temperature Range

UL Temp Rating:	80°C (UL AWM 2464)
Operating Temp Range:	-30°C to +80°C

Mechanical Characteristics

Bulk Cable Weight:	26 lbs/1000ft
Max Recommended Pulling Tension:	33 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464
CSA AWM Specification:	I/II, A
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89503, 82503

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
9503.0030	Chrome	Reel	30 m	8719605021014
9503 060100	Chrome	Reel	100 ft	612825254201

9503.00U152	Chrome	UnReel	152 m	8719605021021
9503.01152	Chrome	Reel	152 m	8719605021045
9503.00U305	Chrome	UnReel	305 m	8719605021038
9503.01305	Chrome	Reel	305 m	8719605021052
9503 060500	Chrome	Reel	500 ft	612825254225
9503 060U500	Chrome	UnReel	500 ft	612825254195
9503 0601000	Chrome	Reel	1,000 ft	612825254218
9503 060U1000	Chrome	UnReel	1,000 ft	612825254188
9503 0605000	Chrome	Reel	5,000 ft	612825254232

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.315 Revision Date: 05-19-2020
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